

INDIANA HOUSEHOLD HAZARDOUS WASTE GRANT PROGRAM

1999 ANNUAL REPORT

Pursuant to IC 13-20-20-12

The Indiana Department of Environmental Management has taken a multifaceted approach to assist solid waste management districts and communities in dealing with household hazardous waste issues. Grants have helped fund projects such as the establishment of: household hazardous waste (HHW) collection facilities; HHW mobile collection programs; reuse projects to avoid the need for disposal; and educational projects to reduce usage of hazardous household products, and promote non-toxic alternatives and proper disposal. Grant funds were matched dollar-for-dollar by local money and in-kind contributions.

As a result of 1998 grant awards of \$970,268, 1999 was a busy year for the household hazardous waste grant program. (See Attachment A. for 1996 through 1999 HHW program funding.) Grant management became the priority for the program, while the number of new grant applications were reduced. In 1999, the Indiana Department of Environmental Management awarded \$116,271 from the hazardous waste response trust fund and \$318,599 from the solid waste management fund to provide \$434,870 in grant awards to projects.

Grant Award Totals

\$116,271	Projects funded from the Hazardous Substance Response Trust Fund
\$171,227	Projects funded from the Solid Waste Management Fund
<u>\$147,372</u>	Education and Promotion funding from the Solid Waste Management Fund
\$434,870	TOTAL 1999 HHW FUNDING

Funding Highlights

, New HHW services in 13 counties

Grants to four solid waste management districts provided \$150,723 in funds to help establish household hazardous waste collection and disposal programs, serving residents in 13 counties with combined population of 440,000.

, 2-year continued funding for used motor oil collection in 33 counties

A regional cooperation recycling grant of \$52,500 provided continuing support for 59 used motor oil, oil filters and antifreeze recycling sites that serve a total of 1,120,000 residents.

, Education efforts receive funding of \$147,372

Forty solid waste management districts (see attachment D.) received funding for household hazardous waste education and promotion efforts from the solid waste management fund.

STATE HHW ACTIVITIES UPDATE

Household hazardous waste services across the state have continued to expand since the inception of the Household Hazardous Waste Grant Program in 1994 (See Attachment B.). Cooperative, regional projects have achieved successes and are providing services to areas that would not otherwise be served. One cooperative effort that began in 1998 has achieved remarkable success.

The Mercury Awareness Program (MAP) started taking shape early in January 1998 with three goals: 1) the creation of a statewide MAP partnership; 2) mercury collection in every county; and, 3) increased public awareness of the importance of proper disposal. The Indiana Department of Environmental Management (IDEM) and the Regional Household Hazardous Waste Task Force, a group of solid waste management districts, set out to develop a statewide mercury awareness program with broad impact in just nine months. Relying largely on local partners for implementation, the program has achieved:

- , Mercury collection events in every one of Indiana's 92 counties in October of '98
- , Mercury was collected by 46 (74%) of the solid waste management districts, 3 communities, and 1 health department
- , IDEM and Cinergy, the MAP corporate partner, collected mercury in 15 counties in which there was no local support
- , 510 pounds of elemental mercury and assorted mercury devices and debris were collected before the program started in October
- , Nearly 4162 pounds of household elemental mercury and assorted mercury devices or debris, and over 25,000 mercury-containing fluorescent lamps have been collected since the collection program began

IDEM decided to focus our resources on mercury for several reasons. The primary reason being mercury contamination in Indiana lakes and streams. IDEM data indicates mercury is contained in the tissues of 99% of all fish sampled in Indiana. Additionally, IDEM identified accidents involving mercury that endanger the health and safety of children as a priority. In 1998, 311 instances of mercury poisonings involving children due to thermometer breaks were reported to Indiana Poison Control Centers, and mercury spills in schools continue to be a problem.

IDEM considered local input and participation to be a critical component to the success of the MAP. The Regional Household Hazardous Waste Task Force had developed successful, award-winning programs: battery recycling and motor oil, oil filters and antifreeze programs were locally controlled and implemented by participating districts. The Task Force, working with staff members from IDEM's Office of Pollution Prevention and Technical Assistance, began planning, developing, and implementing the program December of 1998.

Program materials were developed, including a brochure, posters, a MAP implementation manual, and promotional materials. Grant agreements were negotiated with the 6 hubs (5 solid waste management districts and the City of Indianapolis) for the consolidation and recycling of the collected mercury through a contractor, and a mercury recycling contractor was selected. A health and safety training program for MAP program managers was developed and presented. Kick-off month activities were planned, including a press conference and mercury collection days in all 92 counties. As a result of the Mercury Awareness Program, ongoing mercury collection services are now available in 82 of Indiana's counties and those associated with the Mercury Awareness Program received a 1999 Governor's Award for Excellence in Recycling.

PROGRAM DESCRIPTION

In 1999, Senate Enrolled Act 6 was signed into law by Governor O'Bannon. Senate Enrolled Act 6 amended IC-13-20-20 to allow for the grant funding of projects which serve conditionally exempt small quantity generators (CESQG) and allowed for an increase in funding from \$250,000 to \$450,000 per year. CESQGs are hazardous waste generators which produce less than 220 pounds of hazardous waste per month or 2.2 pounds of acutely hazardous waste as listed by the U.S. EPA per month.

IC 13-20-20-1 now states that the Indiana Department of Environmental Management "shall provide financial assistance to units and districts through matching grants awarded under this chapter for projects involving the collection, recycling, or disposal of household hazardous waste and conditionally exempt small quantity generator waste." The Indiana Department of Environmental Management's main objectives for the Household Hazardous Waste Grant Program are the following:

- (1) To provide financial support for the establishment of permanent Household Hazardous Waste/Conditionally Exempt Small Quantity Generator services throughout Indiana which are available to all residents or exempt small generators in the areas served.
- (2) To support the safe and environmentally sound disposal or recycling of HHW and CESQG waste.
- (3) To educate the public and exempt small generators in source reduction and pollution prevention, and the safe management and proper disposal or recycling of HHW and CESQG waste.

Household Hazardous Waste Grant Program disposal assistance funding provides financial assistance to support the disposal of household hazardous waste through a licensed hazardous waste service. The Indiana Department of Environmental Management will provide disposal assistance to:

- (1) Support new HHW programs or services
- (2) Support programs or services in need of financial assistance in order to continue services

The program provides matching grants for HHW/CESQG reduction, collection, proper disposal, and education/promotion programs, including:

- (1) education programs to reduce the quantity of HHW/CESQG waste generated by informing the public of less hazardous and/or nontoxic substitutes for typical household hazardous products;
- (2) reuse and product exchanges to reduce the quantity of HHW being disposed; and,

- (3) establishment of permanent facilities for the proper handling, storage, and disposal of HHW/CESQG waste.

ELIGIBILITY

Solid waste management districts, counties, municipalities and townships are eligible to apply for funds from the Indiana Household Hazardous Waste Grant Program. Joint applications between two or more units of government are encouraged. Businesses, commercial operations, non-profit organizations and programs that manage farm operations are not eligible for funding.

MINIMUM PROGRAM REQUIREMENTS

Household Hazardous Waste/CESQG grant funds may be used to start-up or provide on-going support for existing programs. Each application must include plans for effective public education and promotion. IDEM considers that the most effective way to support the establishment of permanent Household Hazardous Waste or Conditionally Exempt Small Quantity Generator services is to encourage the development of local sustainable programs by limiting grant eligibility to permanent collection programs. HHW grant funds *may not* be used for one-day collection events (known as "tox-away days").

Permanent HHW collection programs must include the following elements:

- (1) the ability to accept HHW from the public upon request
- (2) service is advertised as with regularly scheduled hours and has an education component
- (3) demonstrates cost efficiencies through local management and operation of collection
- (4) offers at least one reuse component

1999 HOUSEHOLD HAZARDOUS WASTE GRANTS

In 1999, the Department of Environmental Management accepted HHW grant applications on a quarterly schedule. Grant applications were reviewed by a committee consisting of representatives from the private sector, solid waste management districts, associations, not-for-profits and IDEM staff. Following the competitive review process, grants were awarded to nine projects serving residents in 37 counties. Of the funded projects, four received funding through the Indiana Recycling Grants Program, and five were funded through the Hazardous Waste Response Trust Fund.

PROJECT DESCRIPTIONS

(Funded through the Hazardous Waste Response Trust Fund)

City of Carmel

\$21,300

In 1998 the City of Carmel received funding to establish a permanent household hazardous waste facility to provide collection and disposal services to Carmel residents. This grant provides continued support for this successful program. In its first year of operation, Carmel's program served 11% of eligible residents, or 1,324 households. Carmel will provide educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support HHW disposal, supplies and public education expenses.

Jackson County Solid Waste Management District

\$20,750

In a joint project with the City of Seymour, the district will establish a permanent household hazardous waste facility to be located in the City of Seymour to provide collection and disposal services to Jackson County residents. The district will provide educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the establishment of the facility and public education expenses.

Knox County Solid Waste Management District

\$19,621

The district received funding to establish a permanent household hazardous waste facility to provide collection and disposal services to residents of Knox County. The district provides educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the establishment of the facility and public education expenses.

Lake County Solid Waste Management District

\$20,000

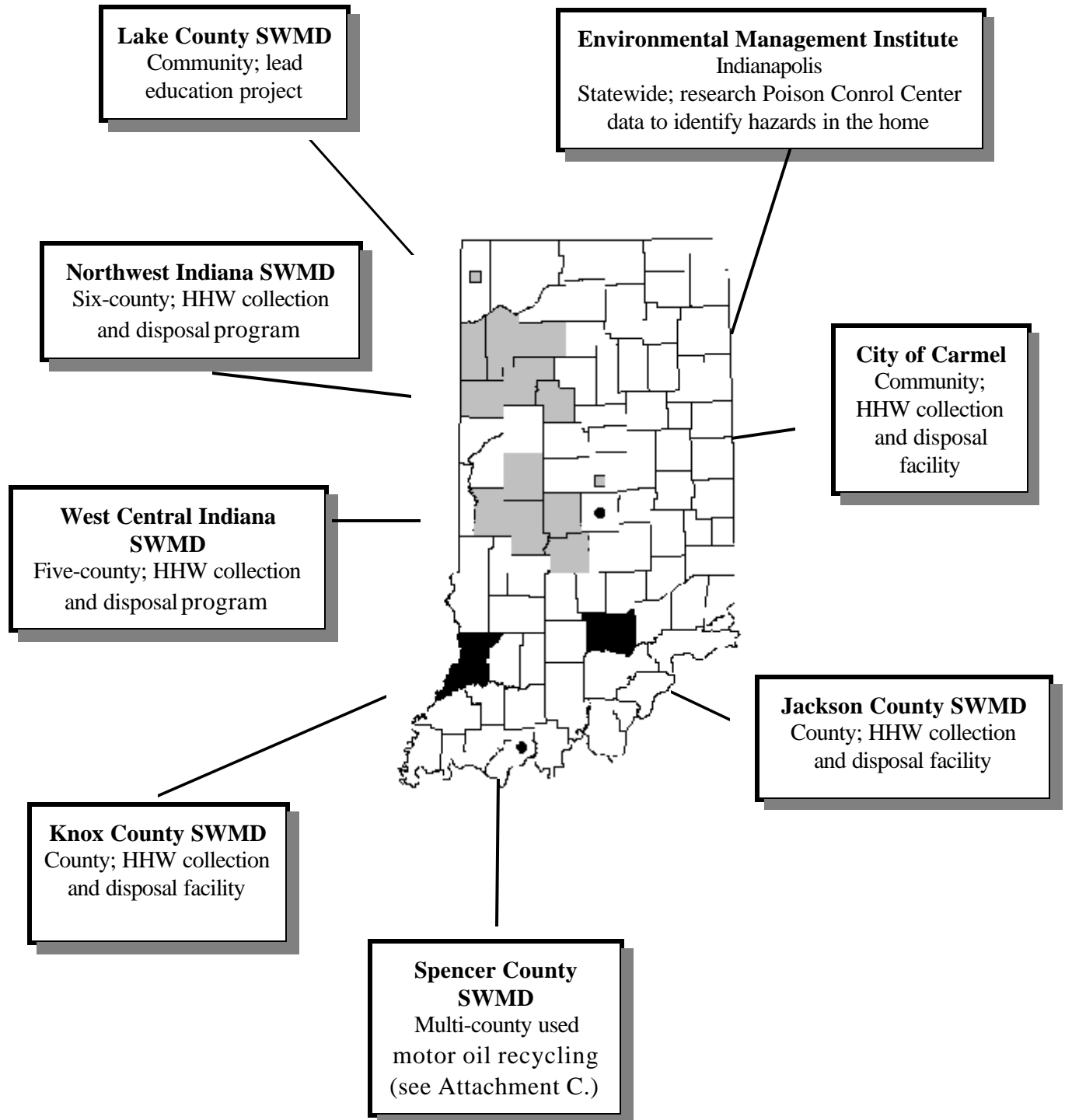
The Lake County Solid Waste Management District received funding on behalf of the three Lake County health departments to implement lead and lead-based paint health education and awareness programs. The programs will educate families with children who are at risk of having elevated blood lead levels so the families can reduce their exposure to lead. Grant funds support public education expenses.

Northwest Indiana Solid Waste Management District

\$34,600

The district received funding to establish a mobile household hazardous waste collection program to provide HHW disposal services for residents of six-counties. The district will provide educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support HHW disposal and public education expenses.

Distribution of 1999 HHW Funding



(Projects below were funded through the Indiana Recycling Grants Program)

Environmental Management Institute, Inc.

\$18,000

The Environmental Management Institute received funding to research and analyze Indiana Poison Control Center data to develop a prioritized report of hazardous materials that are the greatest threat to children and the public. The report will be designed to assist health departments, solid waste management districts, and the state set priorities in program planning. Depending on the report's findings the Environmental Management Institute will summarize source reduction opportunities for the most important threats and strategies to realize the source reduction opportunities. Grant funds support the research, report writing, and the publication and distribution of the report.

Spencer County Solid Waste Management District

\$52,500

The Spencer County Solid Waste Management District received funding on behalf of the Regional Household Hazardous Waste Task Force to continue support for a regional collection program for used motor oil, oil filters and antifreeze. With 59 sites in 17 solid waste management districts (33 counties) the program provides used motor oil, oil filters and antifreeze recycling for 1,119,991 residents. The project includes a comprehensive advertising campaign, utilizing standardized promotional material, and educational curriculum distributed to driver education classes and auto mechanics courses, focusing on the proper disposal of automotive products and the use of recycled and re-refined automobile fluids. Since the project's successful implementation over 100,000 gallons of used motor oil has been collected from households. Grant funds support the recycling of motor oil, oil filters and antifreeze, grant administration, and education expenses.

West Central Indiana Solid Waste Management District

\$75,752

The district received funding to establish a mobile household hazardous waste collection program to provide HHW disposal services for residents of five-counties. The district provides educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the establishment of a mobile facility, HHW recycling or disposal, and public education expenses.

West Central Indiana Solid Waste Management District

\$24,975

The district received funding to purchase a box truck to enhance its household battery and paint recycling programs. The programs serve residents in five counties. The district will provide educational and promotional materials to educate the public regarding the proper disposal of batteries and paint and the availability of the program. Grant funds support the purchase of the truck.

2000 PROJECTED FUNDING REQUIREMENTS

The HHW grant program's goal is to reduce the improper disposal of household hazardous waste that damages infrastructure, harms individuals and contaminates our water. Our objective is to develop a statewide infrastructure and ensure residents are educated on this important issue.

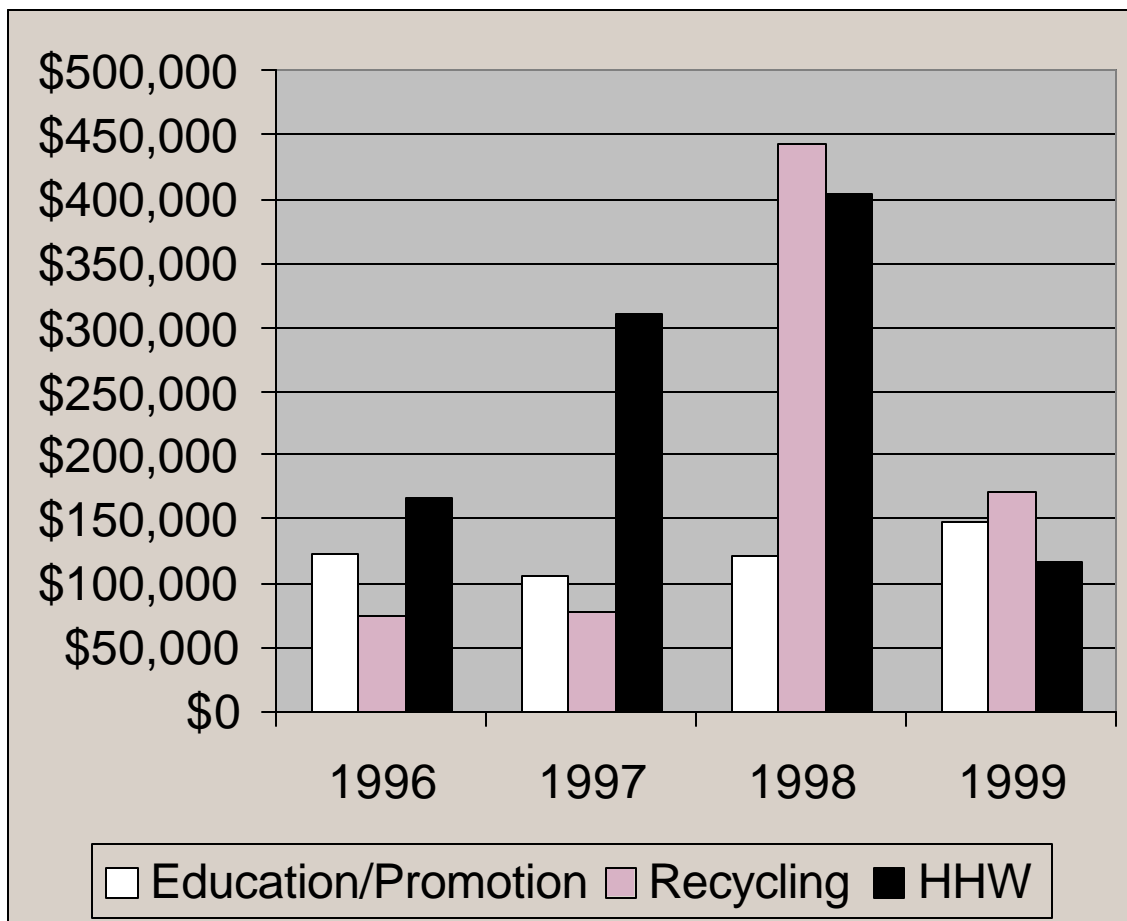
The household hazardous waste grants awarded in 1999 enabled many solid waste management districts to implement projects or enhance already existing projects. The end result is many more residents have access to proper disposal alternatives and to reuse and recycling options for the hazardous waste they generate. However, many of the funded projects have a limited scope. Please refer to the project descriptions on pages five and six. In addition, many areas of the state do not have household hazardous waste collection services (see attached map). It is the intent of the Department of Environmental Management to assist these areas with education and collection through current and future funding rounds of the Indiana Household Hazardous Waste Grant Program.

In 2000, up to \$450,000 in funding will be available for household hazardous waste grants. The Department of Environmental Management anticipates that all appropriations for the Indiana Household Hazardous Waste Grant Program will be awarded. IDEM, with input from external partners, will:

- , develop CESQG program options for educational and select disposal services for small businesses and other exempt small generators, and;
- , provide support for the Task Force's regional household hazardous waste collection and disposal activities, so more Hoosier families will have access to programs that provide disposal of hazardous materials from homes.

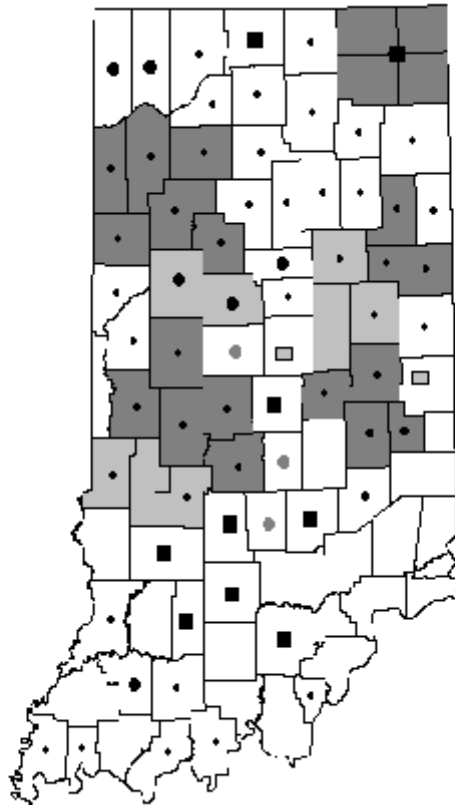
Household Hazardous Waste Program Funding 1996 through 1999

Grant funding	1996	1997	1998	1999
Education/Promotion	\$122,520	\$105,540	\$121,500	\$147,372
Recycling	\$75,076	\$77,786	\$444,125	\$171,227
HHW	\$166,190	\$310,375	\$404,643	\$116,271
TOTAL	\$363,786	\$493,701	\$970,268	\$434,870



Funding sources for HHW projects
Education/Promotion projects are funded from the Solid Waste Management Fund
Recycling projects are funded from the Solid Waste Management Fund
HHW projects are funded from the Hazardous Response Trust Fund

Attachment B.
Household Hazardous Waste Services Map



HHW services map legend

Shaded counties indicate area of service

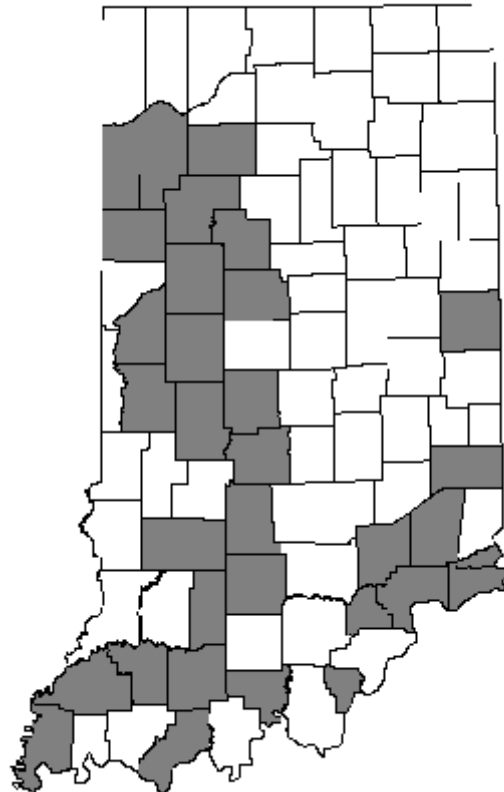
Service area is entire county unless otherwise indicated

- 1 to 4 collection days per year
- 5 or more collection days per year
- Use of neighboring program
- Community based program (Carmel and Richmond)
- 1 or more collection days per week

Attachment C.

**1999 Participation in Regional
Used Motor-oil, Oil Filters and Antifreeze
Recycling Program
by Solid Waste Management District**

<u>DISTRICT</u>	<u>POPULATION</u>
Crawford	10,582
Dubois	39,682
Floyd	71,990
Fountain	18,348
Gibson	32,149
Greene	33,467
Lawrence	45,615
Martin	10,531
Monroe	115,130
Northwest IN (Benton, Carrol, Jasper, Newton, Pulaski, White)	112,324
Pike	12,882
Posey	26,512
Randolf	27,628
Southeastern IN (Franklin, Jefferson, Jennings, Ohio, Scott, Ripley, Switzerland)	145,523
Spencer	20,937
West Central (Hendricks, Montgomery, Morgan, Parke, Putnam)	248,171
Wildcat Creek (Tippecanoe, Clinton)	172,220
TOTAL: 17 SWMDs	1,119,991



**Distribution
of 1999 JumpStart
HHW Education Funding
by Solid Waste Management District**

Total funding: \$147,272

Allen County	\$8,284
Bartholomew County	\$3,392
Brown County	\$2,320
Cass County	\$2,774
Clark County	\$3,876
Clay-Owen-Vigo	\$5,043
Crawford County	\$2,212
Dearborn County	\$2,944
Dubois County	\$2,794
Floyd County	\$3,440
Fountain County	\$2,367
Greene County	\$2,669
Howard County	\$3,669
Huntington County	\$2,745
Jackson County	\$2,820
Johnson County	\$4,187
Knox County	\$2,788
Kosciusko County	\$3,424
Lake County	\$11,566
Marshall County	\$2,909
Martin County	\$2,211
Miami County	\$2,671
Northeast Indiana	\$4,938
Perry County	\$2,387
Pike County	\$2,258
Porter County	\$4,915
Posey County	\$2,530
Randolph County	\$2,553
Shelby County	\$2,869
Southeastern Indiana	\$4,910
Spencer County	\$2,419
St. Joseph County	\$7,162
Starke County	\$2,479
Sullivan County	\$2,385
Three Rivers	\$5,286
Warren County	\$2,165
Washington County	\$2,558
West Central Indiana	\$6,400
Whitley County	\$2,609
Wildcat Creek	\$5,444

